

## PHOENIX HAS A NEW PARKING LAW

## City Manager Tries Three Plans To Park Cars in Busy Streets.

Phoenix, Ariz., June 2.—Thus far in the calendar year 15,000 automobile licenses have been issued by the secretary of state's office, with incidental revenue to the state of \$22,232. This license record already is over 2000 above last year's total.

The county of Maricopa has 4141 registered motor cars and Phoenix alone has 2596, giving enough cars to take away the city's entire population in two loads.

The city manager is trying three plans for parking autos. One, at the curb, probably will be retained only for the suburbs and for streets with car tracks. A second places cars in two parallel lines down the center of the street, each line parallel to the sidewalk. The third places the cars side by side in the street center, faced toward either curb. In both center schemes oblong parking spaces are marked out for the machines. The principal objection made to the center parking is that it keeps the cars in the sun at all times of the day.

## STORM MAKES ALL ROADS VERY POOR

All roads leading into El Paso, except the paved valley roads, are reported in very poor condition as a result of the high wind storm early in the week. Leo J. Frost drove a Franklin to Deming on Wednesday and reports finding that road in the worst condition in five years. "There are miles of low gear work and I feel sorry for the water-cooled cars," said Mr. Frost. "Drivers should take a big supply of extra water. We made 21.7 miles from the station of gasoline, despite the road."

The Hueno Tanks roads is reported as deep in loose sand while there are several bad spots on the Alamogordo road where the sand has drifted deep.

**FIRST CAR INTO FRANCE.**  
By special permission of the French government, the first pleasure car to enter France since the beginning of the war will be a Dodge brothers convertible sedan. The car was purchased by Comte de Bessy de Bessy and will be used in France in motion picture work when the art rule of the war, including the carbide rule at Rheims, Soissons and Ypres, will be photographed under the direction of Rodin, the greatest living sculptor.

**WATCH THE BATTERY.**  
After using a storage battery for a year or so it usually is time for a dismantling and replacement of the separators—possibly a few plates also. With the life of the average battery some fifteen months it does not pay to allow it to "run itself to death," but to have it repaired before it is fit for the junk heap. It is cheaper for the owner.

**CLEAN THE REFLECTORS.**  
A deposit of dust on the reflector of lens often cuts down the light to a marked degree. The owner should make a weekly habit of wiping the dust from these parts. When doing this it is a good plan to inspect the cable connection. Vibration often loosens it and the poor contact results in a loss of light and waste of current.

**CRACKED WATER JACKET.**  
A cracked water jacket is not as serious a trouble as one might imagine. The cylinder should be removed and the inside examined to make sure that there is no leak into the cylinder. If there is, the leak must be repaired also. If not, the leak in the water jacket can be welded and the casting made serviceable again.

## TOURING COATS FOR MOTORISTS

## Some of the New Styles For Motorists Seen in the East.

Plaid extra coats in subdued colors are going to be worn by children as well as by their elders for touring this summer. The two tone mauve plaids or the tans with the black line plaid seem to be the most popular. The little garments are cut like growing sport coats and worn with out any belts, or like raglans, which have patent leather belts in the same color as the plaid. The colored belt is an innovation from the general use of the black patent leather. Little mushroom hats of soft hemp straw or ribbon, with a single ornament or bunch of worsted flowers as the only trimming are worn with the coats.

Silk and wool mixed sweaters in fancy plaids popular to wear under the loose coats. One particularly pretty is in green, pink and black plaid; the cuffs, collar and skirt are black. The skirt is odd, as it is very wide and buttons down the front, vestee fashion. A popular Shetland sweater is knitted of army tan; it is the slip-on model and has white collar and cuffs of Angora. The sweater is "period" in so that it fits closely to the figure up to the bust line.

Breeches have come into fashion for automobile touring and are apparently receiving a warm reception. Of course, the breeches are covered by a long, full coat, much the same as the riding habit, or full raglan coat. In many cases leggings are adopted or puttees are worn. Attractive waistcoats in bright colors are worn with these suits and the caps are made of the same material, leather trimmed, or are in the plain leather models.

Hats show variety and fancies this year. A pink straw mushroom shape is trimmed with an elaborate pattern in braiding done by a single narrow strip of navy blue straw. The effect is very unusual and attractive.

Among the pretty touring sport suits is one made with the skirt of striped black and white khaki kilt. The skirt is full and fitted around the hips. A black silk sweater with white collar, cuffs and skirt is worn over the white silk shirtwaist and a knitted black and white silk tam with a long drooping tassel completes the costume.

Hats are varied and unusually pretty for outing wear this season. One is a white tushroom shaped hat with a wreath of dark red cherries around the rim and rising high on the left side of the crown; the hat is faced with dark red velvet and the left side of the brim is turned up enough to show the color. Georgecote crepe hats are new and smart and are trimmed with arabesques of fancy silk on the plain colors. Tall crown salonniers with nathies trimmed in extreme but smart when worn with tailored touring suits.

Belts and girdles are very smart this season. Perhaps the newest are the sets of worsted embroidered linen which include the hat band to match. White or ecru linen is used for the sets and the flowers with which they are embroidered are gay in color. They are likely to be worn with the linen suits more especially. The colored belts, both narrow and wide, are chosen in color to match the garment over which they are to be worn rather than the contrasting black which has held sway for so long.

Green suedes are good for unlabeled sport coats. They are made with the hunting pockets and convertible collars. Little tan crepe hats with patent leather visors are worn with them. This makes a pretty outfit to wear with forestry serge skirts.

Fashion's latest fad is to have the car performed. This does not mean to have just an ordinary satchel used, but an odor that outdoor air and dampness will bring up and keep fresh for a year.

## A. A. A. CHAMPIONSHIP IS DECLARED OFF

Los Angeles, June 2.—The A. A. A. championship for 1917 has been declared off by the contest board of that body. Word to that effect was received last week by George R. Bentel, chairman of the A. A. A. Speedway association, to which had been assigned the Thanksgiving championship date. The curtailed activities in the speedway season caused the A. A. A. officials to act. Chairman Bentel has not announced what effect the cancellation of the championship dates will have at the local speedway, which at this time is doing the patriotic duty of raising a large potato crop on the infield. If the war situation is cleared by that time a bar race will be run Thanksgiving day, with all of the important drivers participating, Bentel says.

## BOILING TEST BEST FOR FUEL

## Gravity Test Does Not Show the Real Value of Gasoline.

"The careful motorist is just as anxious to buy the best gasoline for his car as he is to see that he has the proper pressure in his tires. But most motorists probably have used some called 'high test' or '72 gravity' or some other gasoline with a fancy name without obtaining any improvement either in easy starting, economy, or freedom from carbon. The result is many have concluded all gasolines are about equally good—or bad," says L. J. Frost, Marmon dealer.

There is no question that some grades of gasoline are superior to others, but none of a pure, equal properties of appearance, odor or even weight are conclusive tests of merit. When gasolines was of uniform grade the weights of equal units of volume represented a fairly accurate check on relative qualities. These 72 degrees 'gravity' or 'test' simply represents a certain relative weight or density, while 60 'degrees' is somewhat heavier.

The fact is that buying gasoline by the gravity test alone is hardly any better than buying coal by its weight. A cubic foot would be a test of the coal. A 'degree' gasoline which might be either a pure, equal distillation, excellent for motor car fuel, or it might be a combination of 80 degrees gasoline with 20 degree kerosene in equal parts by weight.

The real test is to determine the lowest temperature at which the fluid will boil. The percentage that boils away at different temperatures as the heat increases, and finally the temperature at which the fluid is all boiled away. A gasoline that boils at from 100 degrees (Fahrenheit) to 150 degrees, and goes away entirely at from 320 to 375 degrees, makes an excellent motor car fuel.

Eight or ten years ago gasoline was hardly more than a distiller's by-product, and the gasoline distilled averaged about 20 percent of the crude petroleum. The increased use of automobiles forced the distillers to obtain the largest possible percentage of gasoline from the petroleum. Nearly 1,250,000,000 gallons of gasoline being consumed annually in the United States for pleasure cars alone. If gasoline distilled were only 50 percent of the petroleum, 6,250,000,000 gallons of crude oil would be needed to produce the gasoline for these consumers only.

## MUCH EXTRA ELECTRIC EQUIPMENT HARMFUL

It costs the car owner money to use electrical accessories on his car if they depend upon the storage battery for power, according to H. H. Hayes, the local Willard expert.

"The stock battery of an automobile," says Mr. Hayes, "is carefully designed to fill the need of the individual car and its electrical equipment."

"If the car owner uses extra lights, clear headlights, trouble finders and accessories of that character, he is really overloading the battery and will in a short time practically exhaust it. If he depends upon the generator alone to replace the power that he is using."

To prevent battery exhaustion caused by these extras, the battery must be charged at regular intervals at a service station or the generator must be re-adjusted to feed power enough to it to take care of the extra load.

"It is entirely probable that the latter cannot be done for the generator along with the rest of the electrical equipment is designed to fit the normal needs of the car. In this case, then, the car owner should not be surprised and grieved when he is called upon to pay for outside charging."

To repeat, the motorist must be very careful in the fitting of his car with electrical equipment."

**RECORD BY TOURISTS.**  
In the first 6000 miles of the journey of the "Saxon Trail Blazer" roadster, which is blazing a route for the National Boundary highway, and which was recently in El Paso, the average mileage on a gallon of gasoline up to the present time has been 25 miles.

## ROAD WORK HELD UP BY LABOR SHORTAGE

The total designated mileage of state and county highway systems in New York state at the present time is 11,938, of which 1254 miles had been completed and accepted on January 1, while contracts in force at that time covered 1145 miles. This with the contracts awarded during the year 1916 leaves a balance of designated mileage not yet carved for of 4116.

Highway construction during the past two years has been gravely hindered because of the fact that surplus labor has been largely absorbed in munition making and other abnormal industrial activities. In New York state during 1916 it was impossible to secure, even at largely increased rates, more than a quarter of the labor actually required for highway work.

**CHANGING GEAR WITH FOOT.**  
Homer L. Heath, manager of the University of Michigan Union and famous as the one arm athlete of the Wolverine squad, has purchased a Liberty car and uses his right foot to change gears. He states that the loss of his right arm has not handicapped him in changing gears.

## MINING FEVER GETS LOCAL AUTO SALESMEN

The mining fever has struck gas row in real earnest and Carl Reeves, one of the pioneer auto salesmen of the city, has deserted the business for mining and is head of the Rinconada Mining company, which is reported to already have a very good showing.

W. S. Cooke, service manager of the Elliott-Garrett company, is still on gas row but he announces that he has been made vice president of the Anglo-American Copper company.

Jack Braca is another to desert the automobile ranks. Jack says that he "has retired for keeps" but his hints about Arizona make it evident that Jack has a touch of copper fever.

**6000 TONS OF GREASE!**  
The Toledo factories of the Williams-Osland company use 5,000,000 pounds of transmission grease and 2,000,000 pounds of cup grease each year in the assembly of its motor cars.

## EMPLOY MORE MEN DESPITE BIG WAR

That business conditions show a steady and progressive advancement in spite of the change from peace to war in the United States is emphasized by a perusal of reports compiled by the Franklin Automobile company.

An increase of nearly 26 percent in the number of factory employees, that is, men on an hourly wage basis, has been made from January 1 to May 1 during the present year. In spite of the fact that war has been declared in the interim, January shows almost an 11 percent increase over December, February a 14 percent gain over January, March nearly four percent increase over February, and April discloses a 7 1/2 percent gain in the employment list over March (the period in which war was declared).

Moth balls are often used to gasoline with a view to increasing the mileage, but there have been no official tests to show that there is a marked effect. It is unlikely that one moth ball in a gallon of gasoline would have much effect.

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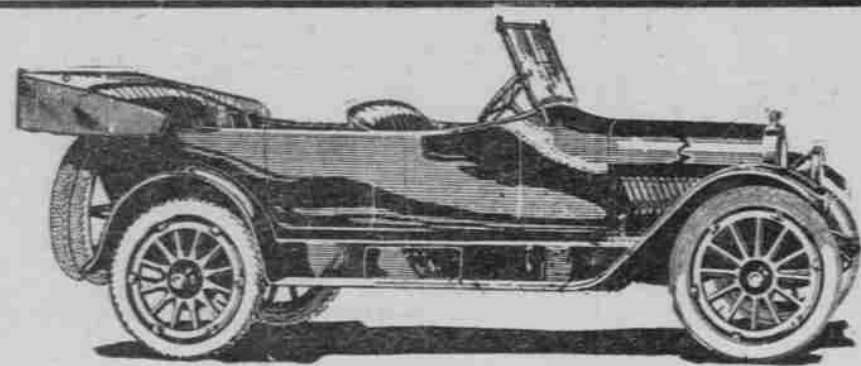
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